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1 [A comparative study of bandwidth reservation and admission control schemes in QoS-sensitive cellular networks](#)

Sunghyun Choi, Kang G. Shin

July Wireless Networks, Volume 6 Issue 4
2000

Publisher: Kluwer Academic Publishers

Full text available: [pdf\(329.89 KB\)](#)

Additional Information: [full citation](#), [references](#), [cited by](#), [index terms](#)


Bibliometrics: Downloads (6 Weeks): 1, Downloads (12 Months): 36, Citation Count: 9

2 Mobile commerce: framework, applications and networking support

Upkar Varshney, Ron Vetter

June 2002 Mobile Networks and Applications, Volume 7 Issue 3

Publisher: Kluwer Academic Publishers

Full text available:  pdf(352.17

 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 53, Downloads (12 Months): 664, Citation Count: 20

Advances in e-commerce have resulted in significant progress towards strategies, requirements, and development of e-commerce applications. However, nearly all e-commerce applications envisioned and developed so far assume fixed or stationary users with ...

Keyw ords: layered framework, middleware, mobile applications, mobile commerce, wireless networking


3 End-to-end throughput and delay assurances in multihop wireless hotspots



Kuang-Ching Wang, Parameswaran Ramanathan

September 2003 WMASH '03: Proceedings of the 1st ACM international workshop on Wireless mobile applications and services on WLAN hotspots

Publisher: ACM

Full text available:  pdf(283.18

 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 3, Downloads (12 Months): 46, Citation Count: 3

Next generation Wireless Local Area Networks (WLAN's) are likely to require multihop wireless connections between mobile nodes and Internet gateways to achieve high data rates from larger distances. The paper addresses the challenges in concurrently ...

Keywords: IEEE 802.11, medium access, proportional differentiation, quality of service, scheduling



4 Emerging mobile and wireless networks



Upkar Varshney, Ron Vetter

June 2000 Communications of the ACM, Volume 43 Issue 6

Publisher: ACM

Full text available:  pdf(609.43 KB)  html(36.15

 KB)

Additional Information: [full citation](#), [references](#), [cited by](#), [index terms](#), [review](#)

Bibliometrics: Downloads (6 Weeks): 42, Downloads (12 Months): 649, Citation Count: 27

5 Modeling PCS networks under general call holding time and cell residence time distributions

Yuguang Fang, Imrich Chlamtac, Yi-Bing Lin

December 1997 IEEE/ ACM Transactions on Networking (TON), Volume 5 Issue 6

Publisher: IEEE Press

Full text available:  [pdf\(568.70 KB\)](#)

Additional Information: [full citation](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 8, Downloads (12 Months): 85, Citation Count: 16

Keywords: PCS, billing rate planning, call blocking, call holding time, call termination, cell residence, handoff

6 Pricing differentiated services in the GPRS environment

Sergios Soursos, Costas Courcoubetis, George C. Polyzos

July 2003 Wireless Networks, Volume 9 Issue 4

Publisher: Kluwer Academic Publishers

Full text available:  [pdf\(916.31 KB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 1, Downloads (12 Months): 74, Citation Count: 1

The General Packet Radio Service extends the existing GSM mobile communications technology by providing packet switching and higher data rates in order to efficiently access IP-based services in the Internet. We adapt the Differentiated Services Quality-of-Service ...

Keywords: GPRS, QoS, congestion pricing, differentiated services, two-bit differentiation

7 A new transport protocol for broadcasting/multicasting MPEG-2 video over wireless ATM access networks

Hairuo Ma, Magda El Zarki

July 2002 Wireless Networks, Volume 8 Issue 4

Publisher: Kluwer Academic Publishers

Full text available:  [pdf\(201.01 KB\)](#)


Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 2, Downloads (12 Months): 49, Citation Count: 0

Because of the telecommunications de-regulation act and progress in wireless technologies, we will see the co-existence of heterogeneous broadband access infrastructures in the broadband video service industry in the near future. In this paper, we addressed ...

Keywords: FEC, MPEG-2 broadcast/multicast, WATM, header redundancy, real-time, video quality

8 An experience in evaluating publish/subscribe services in a wireless network

 Mauro Caporuscio, Antonio Carzaniga, Alexander Wolf
July WOSP '02: Proceedings of the 3rd international workshop on Software and performance
2002

Publisher: ACM

Full text available:  [pdf/180.61](#)


Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#)



Bibliometrics: Downloads (6 Weeks): 0, Downloads (12 Months): 34, Citation Count: 3

As wireless technology becomes more available, developers of distributed applications are becoming more interested in how that technology affects the performance of their systems. We have developed a distributed publish/subscribe communication service ...

9 A prioritized real-time wireless call degradation framework for optimal call mix selection

Gergely V. Záruba, Imrich Chlamtac, Sajal K. Das
April Mobile Networks and Applications, Volume 7 Issue 2
2002

Publisher: Kluwer Academic Publishers

Full text available:  [pdf/173.57](#)


Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 2, Downloads (12 Months): 19, Citation Count: 2

This paper describes a framework for selecting the optimal call mix to be admitted while employing a bandwidth degradation policy in a wireless cellular network. The optimal property is achieved by maximizing the revenue generated by different calls ...

Keywords: admission control, call degradation, simulated annealing, wireless cellular networks

10 How push-to-talk makes talk less pushy

 Allison Woodruff, Paul M. Aoki
November GROUP '03: Proceedings of the 2003 international ACM SIGGROUP conference on Supporting group work
2003

Publisher: ACM

Full text available:  [pdf/356.48](#)


Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 4, Downloads (12 Months): 91, Citation Count: 8

This paper presents an exploratory study of college-age students using two-way, push-to-talk cellular radios. We describe the observed and reported use of cellular radio by the participants. We discuss how the half-duplex, lightweight cellular radio ...

Keywords: cellular radio, instant messaging, two-way radio, walkie talkies

11 A call admission and control scheme for quality-of-service (QoS) provisioning in next generation wireless networks

S. K. Das, R. Jayaram, N. K. Kakani, Sanjoy K. Sen

January Wireless Networks, Volume 6 Issue 1

2000

Publisher: Kluwer Academic Publishers

Full text available:  [pdf/201.98](#)

 KB

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 9, Downloads (12 Months): 139, Citation Count: 13

We propose a framework for quality-of-service ∥ QoS∥ provisioning for multimedia services in next generation wireless access networks. This framework aims at providing a differentiated treatment to multimedia traffic flows at the link ...

12 Assessing the quality of voice communications over internet backbones

Athina P. Markopoulou, Fouad A. Tobagi, Mansour J. Karam

October 2003

IEEE/ ACM Transactions on Networking (TON), Volume 11 Issue 5

Publisher: IEEE Press

Full text available:  [pdf/906.27](#)

 KB

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 27, Downloads (12 Months): 317, Citation Count: 7

As the Internet evolves into a ubiquitous communication infrastructure and provides various services including telephony, it will be expected to meet the quality standards achieved in the public switched telephone network. Our objective in this paper ...

Keywords: computer networks, internet, measurements, voice communications, voice over IP (VoIP), voice quality assessment

13 Delay performance of data traffic in a cellular wireless ATM network



T. C. Wong, J. W. Mark, K. C. Chua, B. Kannan, Y. H. Chew

July WOWMOM '01: Proceedings of the 4th ACM international workshop on Wireless mobile multimedia

2001

Publisher: ACM

Full text available:  [pdf/139.47](#)

 KB

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 3, Downloads (12 Months): 64, Citation Count: 0

The delay performance for *self-similar* data traffic over a prioritized Time Division Multiple Access with Dynamic Reservation (TDMA/DR) MAC protocol in a wireless ATM setting is evaluated using simulation and approximate analysis. An approximate ...

Keywords: *self-similar* data traffic, MMPP video traffic, approximate delay analysis, computer simulation, heavy-tailed Pareto-distributed ON/OFF data traffic, performance evaluation, prioritized TDMA/DR medium access control, voice traffic, wireless ATM

14 Present and future organisational models for wireless networks

Robert O'Connor, Sven van der Meer

September 2003 ISI CT '03: Proceedings of the 1st international symposium on Information and communication technologies

Publisher: Trinity College Dublin

Full text available:  pdf(195.56 KB)

Additional Information: [full citation](#), [references](#)

Bibliometrics: Downloads (6 Weeks): 4, Downloads (12 Months): 60, Citation Count: 0

15 Client-server computing in mobile environments



Jin Jing, Abdelsalam Sumi Helal, Ahmed Elmagarmid

June 1999 ACM Computing Surveys (CSUR), Volume 31 Issue 2

Publisher: ACM

Full text available:  pdf(233.31 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#), [review](#)

Bibliometrics: Downloads (6 Weeks): 31, Downloads (12 Months): 724, Citation Count: 33

Recent advances in wireless data networking and portable information appliances have engendered a new paradigm of computing, called mobile computing, in which users carrying portable devices have access to data and information services ...

Keywords: application adaptation, cache invalidation, caching, client/server, data dissemination, disconnected operation, mobile applications, mobile client/server, mobile compuing, mobile data, mobility awareness, survey, system application


16 Virtual operator based AAA in wireless LAN hot spots with ad-hoc networking support



Junbiao Zhang, Jun Li, Stephen Weinstein, Nan Tu

June 2002 ACM SIGMOBILE Mobile Computing and Communications Review, Volume 6 Issue 3

Publisher: ACM

Full text available:  pdf(180.11 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 13, Downloads (12 Months): 148, Citation Count: 4

Sound and effective authentication, authorization and accounting (AAA) schemes for convenient and secure mobile wireless accesses are of great importance given the increased popularity and business opportunities in public wireless LAN hot spots. One ...

17 Going wireless: behavior & practice of new mobile phone users



Leysia Palen, Marilyn Salzman, Ed Youngs

December CSCW '00: Proceedings of the 2000 ACM conference on Computer supported cooperative work
2000

Publisher: ACM

Full text available:  [pdf/221.59](#)
[KB](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 42, Downloads (12 Months): 847, Citation Count: 28

We report on the results of a study in which 19 new mobile phone users were closely tracked for the first six weeks after service acquisition. Results show that new users tend to rapidly modify their perceptions of social appropriateness around mobile ...

Keywords: cellular, communicative practice, digital telephony, mobile, qualitative research, wireless communications

18 Paging area optimization based on interval estimation in wireless personal communication networks

Zhuyu Lei, Cem U. Saraydar, Narayan B. Mandayam

March Mobile Networks and Applications, Volume 5 Issue 1
2000

Publisher: Kluwer Academic Publishers

Full text available:  [pdf/236.16](#)
[KB](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 2, Downloads (12 Months): 29, Citation Count: 1

We consider an optimum personal paging area configuration problem to improve the paging efficiency in PCS/cellular mobile networks. The approach is to set up the boundaries of a one-step paging area that contain the ...

19 An integrated platform for reliable multicast support in the regional mobile-IP environment



Hassan Omar, Tarek Saadawi, Myung Lee

April ACM SIGMOBILE Mobile Computing and Communications Review, Volume 6 Issue 2
2002

Publisher: ACM

Full text available:  [pdf/167.80](#)
[KB](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 2, Downloads (12 Months): 28, Citation Count: 1

Supporting reliable delivery of multicast datagrams, in IP networks, may necessitate the introduction of new elements and features. Further, considerable additional signaling may be required to support this service. Providing a platform that efficiently ...

20 [A mobility-aware broadcasting infrastructure for a wireless internet with hotspots](#)



Cristian Hesselman, Henk Eertink, Ing Widya, Erik Huizer

September 2003 WMASH '03: Proceedings of the 1st ACM international workshop on Wireless mobile applications and services on WLAN hotspots

Publisher: ACM

Full text available:  [pdf/292.13](#)

[KB](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 2, Downloads (12 Months): 53, Citation Count: 0

In this paper, we consider the problem of adaptively delivering live multimedia broadcasts (e.g., for applications such as TV, radio, or e-cinema) to a potentially large number of mobile hosts that roam about in a wireless internet with hotspots. We ...

Keywords: hotspots/overlays, mobility, multimedia broadcasting, negotiation

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